

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-18. (Canceled).

19. (Previously Presented) A medical treatment device comprising:
a fixed treatment unit with user-accessible controls configured to permit the control of administration of a medical treatment of a patient provided by the treatment unit and indicators configured to show status information relating to the medical treatment;
a programmable fixed monitor unit with at least one display, at least one control configured to permit the selection of information to be shown on the display;
the monitor unit being positioned adjacent the treatment unit such that a single user has simultaneous access to the treatment unit controls and indicators and the monitor unit controls and display;
the monitor unit being signally connected to the treatment unit by means of a one-way communication mechanism such that the monitor unit is prevented from affecting the administration of the medical treatment by the treatment unit;
the monitor unit receiving data from the treatment unit and outputting at least data relating to a status of a treatment being delivered by the treatment unit.

20. (Previously Presented) The device of claim 19, wherein the treatment unit and the monitor unit are permanently attached to each other.

21. (Previously Presented) The device of claim 19, wherein the treatment unit and the monitor are connected to a common control panel with inputs and outputs, each connected such that any signals from the monitor unit are prevented from affecting a state of the treatment unit.

22. (Previously Presented) The device of claim 21, wherein the treatment unit and the monitor unit and the control panel are located within a common housing.

23. (Previously Presented) The device of claim 19, wherein the monitor unit is configured to output on the display at least one of a time-series of sensor signals received over the one-way communication mechanism, a graphical representation of sensor signals received over the one-way communication mechanism, maximum and minimum sensor signal values received over the one-way communication mechanism, text adding information to information received over the one-way communication mechanism, and troubleshooting information responsive to information received over the one-way communication mechanism.

24. (Previously Presented) The device of claim 19, wherein the monitor unit is configured to output on the display a time-series of sensor signals received over the one-way communication mechanism.

25. (Previously Presented) The device of claim 19, wherein the monitor unit is configured to output on the display a graphical representation of sensor signals received over the one-way communication mechanism.

26. (Previously Presented) The device of claim 19, wherein the monitor unit is configured to output on the display maximum and minimum sensor signal values received over the one-way communication mechanism.

27. (Previously Presented) The device of claim 19, wherein the monitor unit is configured to output on the display text adding information to information received over the one-way communication mechanism.

28. (Previously Presented) The device of claim 19, wherein the monitor unit is configured to output on the display troubleshooting information responsive to information received over the one-way communication mechanism.

29. (Previously Presented) The device of claim 19, wherein the monitor unit outputs information that cannot be obtained from the indicators of the treatment unit such that the monitor unit complements the treatment unit in terms of the information shown.

30. (Previously Presented) The device of claim 19, wherein adjustment of the monitor unit at least one control is prevented from affecting the treatment administered by the treatment unit.

31. (Previously Presented) The device of claim 19, wherein the information output by the monitor unit excludes any real-time information that is not available from the treatment unit indicators.

32. (Previously Presented) The device of claim 19, wherein the information output by the monitor unit excludes any real-time information obtained from the one-way communication mechanism, whereby the monitor unit information may not be used by an operator to make changes in the treatment unit's settings.

33. (Previously Presented) The device of claim 19, wherein the monitor unit and treatment unit are configured to be located adjacent the patient being treated.

34. (Previously Presented) The device of claim 19, wherein the monitor unit at least one control includes multiple controls and the display includes a graphical display.

35. (Previously Presented) The device of claim 19, wherein the monitor unit is prevented from sending signals to the treatment device.

36. (Currently Amended) The device of claim 19, wherein the monitor unit is prevented from sending signals to the treatment device and the one-way communication mechanism includes an ~~opto-isolators~~opto-isolator connecting the treatment and monitor units.

37. (Previously Presented) A medical treatment device comprising:
a treatment unit with user-accessible controls configured to permit the control of administration of a medical treatment of a patient provided by the treatment unit and indicators configured to show status information relating to the medical treatment;
a programmable monitor unit with at least one display, at least one control configured to permit the selection of information to be shown on the display;
the monitor unit being attached to the treatment unit such that a single user has simultaneous access to the treatment unit controls and indicators and the monitor unit controls and display;
the monitor unit being signally connected to the treatment unit by means of a one-way communication mechanism such that the monitor unit is prevented from affecting the state of the treatment unit;
the monitor unit receiving data from the treatment unit and outputting at least data relating to a status of a treatment being delivered by the treatment unit.

38. (Previously Presented) The device of claim 37, wherein the treatment unit and the monitor are connected to a common control panel with inputs and outputs, each connected such that any signals from the monitor unit are prevented from affecting a state of the treatment unit.

39. (Previously Presented) The device of claim 38, wherein the treatment unit and the monitor unit and the control panel are located within a common housing.

40. (Previously Presented) The device of claim 37, wherein the monitor unit is configured to output on the display at least one of a time-series of sensor signals received over the one-way communication mechanism, a graphical representation of sensor signals

received over the one-way communication mechanism, maximum and minimum sensor signal values received over the one-way communication mechanism, text adding information to information received over the one-way communication mechanism, and troubleshooting information responsive to information received over the one-way communication mechanism.

41. (Previously Presented) The device of claim 37, wherein the monitor unit is configured to output on the display a time-series of sensor signals received over the one-way communication mechanism.

42. (Previously Presented) The device of claim 37, wherein the monitor unit is configured to output on the display a graphical representation of sensor signals received over the one-way communication mechanism.

43. (Previously Presented) The device of claim 37, wherein the monitor unit is configured to output on the display maximum and minimum sensor signal values received over the one-way communication mechanism.

44. (Previously Presented) The device of claim 37, wherein the monitor unit is configured to output on the display text adding information to information received over the one-way communication mechanism.

45. (Previously Presented) The device of claim 37, wherein the monitor unit is configured to output on the display troubleshooting information responsive to information received over the one-way communication mechanism.

46. (Previously Presented) The device of claim 37, wherein the monitor unit outputs information that cannot be obtained from the indicators of the treatment unit such that the monitor unit complements the treatment unit in terms of the information shown.

47. (Previously Presented) The device of claim 37, wherein adjustment of the monitor unit at least one control is prevented from affecting the treatment administered by the treatment unit.

48. (Previously Presented) The device of claim 37, wherein the information output by the monitor unit excludes any real-time information that is not available from the treatment unit indicators.

49. (Previously Presented) The device of claim 37, wherein the information output by the monitor unit excludes any real-time information obtained from the one-way communication mechanism, whereby the monitor unit information may not be used by an operator to make changes in the treatment unit's settings.

50. (Previously Presented) The device of claim 37, wherein the monitor unit and treatment unit are configured to be located adjacent the patient being treated.

51. (Previously Presented) The device of claim 37, wherein the monitor unit at least one control includes multiple controls and the display includes a graphical display.

52. (Previously Presented) The device of claim 37, wherein the monitor unit is prevented from sending signals to the treatment device.

53. (Currently Amended) The device of claim 37, wherein the monitor unit is prevented from sending signals to the treatment device and the one-way communication mechanism includes an ~~opto-isolator~~opto-isolator connecting the treatment and monitor units.

Claims 54-69. (Canceled).

70. (New) A medical treatment device comprising:
a treatment module having at least one user-accessible control which enables control of administration of a medical treatment to a patient provided by the treatment module; and

a programmable monitoring module which receives data from the treatment module and outputs at least data relating to a status of the medical treatment being administered;

wherein the monitoring module is signally connected to the treatment module so as to enable data transfer from the treatment module to the monitoring module, and

the monitoring module is operatively isolated from the treatment module such that the monitoring module is prevented from affecting operation of the treatment module.

71. (New) The device of claim 70, wherein the monitoring module is signally connected to the treatment module by a communication device configured to permit signals to travel only from the treatment module to the monitoring module.

72. (New) The device of claim 71, wherein the communication device includes an opto-isolator.

73. (New) The device of claim 70, wherein the treatment module includes a transmit-only device, the monitoring module includes a receiving-only device, and the treatment module is signally connected to the monitoring module by a communication link between the transmit-only device and the receiving-only device.

74. (New) The device of claim 70, wherein the treatment module is incapable of receiving signals from the monitoring module.

75. (New) The device of claim 70, wherein the monitoring module is incapable of sending signals to the treatment module.

76. (New) The device of claim 70, wherein the treatment module has a transmitter without a corresponding receiver, the monitoring module has a receiver, and the monitoring module is connected to the treatment module by way of a signal connection between the treatment module transmitter and the monitoring module receiver.

77. (New) The device of claim 76, wherein the transmitter is an optical emitter or an RF transmitter.

78. (New) The device of claim 70, wherein the treatment and monitoring modules are connected to a common control panel with inputs and outputs, each connected such that the monitoring module is operatively isolated from the treatment module so as to prevent the monitoring module from affecting operation of the treatment module.

79. (New) The device of claim 70, wherein the monitoring module includes at least one display and at least one control configured to permit the selection of information to be shown on the display.

80. (New) The device of claim 79, wherein the monitoring module is positioned adjacent to the treatment module such that a single user has simultaneous access to the at least one control of the treatment unit and the at least one display and at least one control of the monitoring module.